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pipeline? <paragraph> scan???? <paragraph> segm Search

☐ Check to search within this result set

Results Key:
JNL = Journal or Magazine **CNF** = Conference **STD** = Standard

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Results:
No documents matched your query.

Terms used
pipeline? paragraph scan???? paragraph segment paragraph document

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Results 1 - 20 of 116 Result page: **1** 2 3 4 5 6 next

Relevance scale

1 Compiling nested data-parallel programs for shared-memory multiprocessors

Siddhartha Chatterjee

July 1993 **ACM Transactions on Programming Languages and Systems (TOPLAS)**, Volume 15 Issue 3

Full text available: pdf(4.17 MB) Additional Information: full citation, references, citings, index terms, review

Keywords: compilers, data parallelism, shared-memory multiprocessors

2 Classification and browsing: A language modelling approach to relevance profiling for document browsing

David J. Harper, Sara Coulthard, Sun Yixing

July 2002 **Proceedings of the 2nd ACM/IEEE-CS joint conference on Digital libraries**

Full text available: pdf(236.31 KB) Additional Information: full citation, abstract, references, index terms

This paper describes a novel tool, SmartSkim, for content-based browsing or skimming of documents. The tool integrates concepts from passage retrieval and from interfaces, such as TileBars, which provide a compact overview of query term hits within a document. We base our tool on the concept of relevance profiling, in which a plot of retrieval status values at each word position of a document is generated. A major contribution of this paper is applying language modelling to the task of relevance ...

Keywords: browsing and reading appliances, e-books, information retrieval, language modeling, user interfaces, visualization

3 An XML query engine for network-bound data

Zachary G. Ives, A. Y. Halevy, D. S. Weld

December 2002 **The VLDB Journal — The International Journal on Very Large Data Bases**, Volume 11 Issue 4

Full text available: pdf(351.86 KB) Additional Information: full citation, abstract, index terms

XML has become the lingua franca for data exchange and integration across administrative and enterprise boundaries. Nearly all data providers are adding XML import or export capabilities, and standard XML Schemas and DTDs are being promoted for all types of data sharing. The ubiquity of XML has removed one of the major obstacles to integrating data from widely disparate sources - namely, the heterogeneity of data formats. However, general-purpose integration of data across the wide are a also re ...

Keyw rds: Data integration, Data streams, Query processing, Web and databases, XML

4 Anatomy of a native XML base management system

T. Fiebig, S. Helmer, C.-C. Kanne, G. Moerkotte, J. Neumann, R. Schiele, T. Westmann
December 2002 **The VLDB Journal — The International Journal on Very Large Data Bases**, Volume 11 Issue 4

Full text available: pdf(300.97 KB) Additional Information: full citation, abstract, index terms

Several alternatives to manage large XML document collections exist, ranging from file systems over relational or other database systems to specifically tailored XML base management systems. In this paper we give a tour of Natix, a database management system designed from scratch for storing and processing XML data. Contrary to the common belief that management of XML data is just another application for traditional databases like relational systems, we illustrate how almost every component in a ...

Keywords: Database, XML

5 Books and reading: A document corpus browser for in-depth reading

Eric Bier, Lance Good, Kris Popat, Alan Newberger
June 2004

Full text available: pdf(164.61 KB) Additional Information: full citation, abstract, references, citings, index terms

Software tools, including Web browsers, e-books, electronic document formats, search engines, and digital libraries are changing the way people read, making it easier for them to find and view documents. However, while these tools provide significant help with short-term reading projects involving small numbers of documents, they provide less help with longer-term reading projects, in which a topic is to be understood in depth by reading many documents. For such projects, readers must find and m ...

Keywords: bookplex, computer-aided reading, digital library, document management, spatial memory, visualization, zoomable user interface

6 Embedded video in hypermedia documents: supporting integration and adaptive control

Dick C. A. Bulterman
October 1995 **ACM Transactions on Information Systems (TOIS)**, Volume 13 Issue 4

Full text available: pdf(2.41 MB) Additional Information: full citation, abstract, references, citings, index terms

As the availability of digital video becomes commonplace, a shift in application focus will occur from merely accessing video as an independent data stream to embedding video with other multimedia data types into coordinated hypermedia presentations. The migration to embedded video will present new demands on application and support environments: processing of any one piece of video data will depend on how that data relates to other data streams active with ...

Keywords: adaptive control, embedded video, hypermedia documents, multimedia, synchronization, video presentation

7 Editing and authoring: User-directed analysis of scanned images

Steven J. Simske, Jordi Arnabat
November 2003 **Proceedings of the 2003 ACM symp sium on D cument engineering**

Full text available: pdf(3.36 MB) Additional Information: full citation, abstract, references, index terms

Digital capture (scanning in all its forms, and digital photography/video recording), in providing virtually free temporary memory of captured information, allows users to "over-gather" information during capture, and then to discard unwanted material later. For cameras and video recorders, such editing largely consists of discarding images or frames in their entirety. For scanners (and high-resolution camera/video), such editing benefits from a preview capability that provides quick and reliabl ...

Keywords: bottom-up analysis, classification, click and select, preview display, scanning, segmentation, user interface, zoning

8 External memory algorithms and data structures: dealing with

massive data

Jeffrey Scott Vitter
June 2001 **ACM Computing Surveys (CSUR)**, Volume 33 Issue 2

Full text available: pdf(828.46 KB) Additional Information: full citation, abstract, references, citings, index terms

Data sets in large applications are often too massive to fit completely inside the computers internal memory. The resulting input/output communication (or I/O) between fast internal memory and slower external memory (such as disks) can be a major performance bottleneck. In this article we survey the state of the art in the design and analysis of external memory (or EM) algorithms and data structures, where the goal is to exploit locality in order to reduce the I/O costs. We consider a varie ...

Keywords: B-tree, I/O, batched, block, disk, dynamic, extendible hashing, external memory, hierarchical memory, multidimensional access methods, multilevel memory, online, out-of-core, secondary storage, sorting

9 Fast detection of communication patterns in distributed executions

Thomas Kunz, Michiel F. H. Seuren
November 1997 **Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborative research**

Full text available: pdf(4.21 MB) Additional Information: full citation, abstract, references, index terms

Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time diagrams are often used to obtain a better understanding of the execution of the application. The visualization tool we use is Poet, an event tracer developed at the University of Waterloo. However, these diagrams are often very complex and do not provide the user with the desired overview of the application. In our experience, such tools display repeated occurrences of non-trivial commun ...

10 Cross-lingual C*ST*RD: English access to Hindi information

Anton Leuski, Chin-Yew Lin, Liang Zhou, Ulrich Germann, Franz Josef Och, Eduard Hovy
September 2003 **ACM Transactions on Asian Language Information Processing (TALIP)**, Volume 2 Issue 3

Full text available: pdf(210.61 KB) Additional Information: full citation, abstract, references, index terms

We present C*ST*RD, a cross-language information delivery system that supports cross-language information retrieval, information space visualization and navigation, machine translation, and text summarization of single documents and clusters of documents. C*ST*RD was assembled and trained within 1 month, in the context of DARPA's Surprise Language Exercise, that selected as source a heretofore unstudied language, Hindi. Given the brief time, we could not create deep Hindi capabilities for all th ...

Keywords: Cross-language information retrieval, Hindi-to-English machine translation, headline generation, information retrieval and information space navigation, single- and

multi-document text summarization

11 A pipelined, multiprocessor architecture for a connectionless server for broadband ISDN

Daniel S. Omundsen, A. Roger Kaye, Samy A. Mahmoud
April 1994 **IEEE/ACM Transactions on Networking (TON)**, Volume 2 Issue 2

Full text available: pdf(1.21 MB) Additional Information: full citation, references, citings, index terms

12 Regular papers: DiaSumm: flexible summarization of spontaneous dialogues in unrestricted domains

Klaus Zechner, Alex Waibel
July 2000 **Proceedings of the 17th conference on Computational linguistics - Volume 2**

Full text available: pdf(699.63 KB) Additional Information: full citation, abstract, references

In this paper, we present a summarization system for spontaneous dialogues which consists of a novel multi-stage architecture. It is specifically aimed at addressing issues related to the nature of the texts being spoken vs. written and being dialogical vs. monological. The system is embedded in a graphical user interface and was developed and tested on transcripts of recorded telephone conversations in English and Spanish (CALLHOME).

13 Cache Memories

Alan Jay Smith
September 1982 **ACM Computing Surveys (CSUR)**, Volume 14 Issue 3

Full text available: pdf(4.61 MB) Additional Information: full citation, references, citings, index terms

14 Information extraction as a basis for high-precision text classification

Ellen Riloff, Wendy Lehnert
July 1994 **ACM Transactions on Information Systems (TOIS)**, Volume 12 Issue 3

Full text available: pdf(2.79 MB) Additional Information: full citation, abstract, references, citings, index terms, review

We describe an approach to text classification that represents a compromise between traditional word-based techniques and in-depth natural language processing. Our approach uses a natural language processing task called "information extraction" as a basis for high-precision text classification. We present three algorithms that use varying amounts of extracted information to classify texts. The relevancy signatures algorithm uses linguistic phrases; the a ...

Keywords: information extraction, text classification

15 Open-vocabulary speech indexing for voice and video mail retrieval

M. G. Brown, J. T. Foote, G. J. F. Jones, K. Spärck Jones, S. J. Young
February 1997 **Proceedings of the fourth ACM international conference on Multimedia**

Full text available: pdf(1.82 MB) Additional Information: full citation, references, citings, index terms

Keywords: audio indexing, browsing, content-based retrieval, information retrieval, speech recognition, word spotting

16 A parallel embedded-processor architecture for ATM reassembly

Richard F. Hobson, P. S. Wong
February 1999 **IEEE/ACM Transactions on Networking (TON)**, Volume 7 Issue 1

Full text available: pdf(331.21 KB) Additional Information: full citation, references, citings, index terms

Keyw rds: ATM, embedded systems, medium access control, segmentation and reassembly

17 Parallel execution of prolog programs: a survey

Gopal Gupta, Enrico Pontelli, Khayri A.M. Ali, Mats Carlsson, Manuel V. Hermenegildo
July 2001 **ACM Transactions on Programming Languages and Systems (TOPLAS)**, Volume 23 Issue 4

Full text available: pdf(1.95 MB) Additional Information: full citation, abstract, references, citings, index terms

Since the early days of logic programming, researchers in the field realized the potential for exploitation of parallelism present in the execution of logic programs. Their high-level nature, the presence of nondeterminism, and their referential transparency, among other characteristics, make logic programs interesting candidates for obtaining speedups through parallel execution. At the same time, the fact that the typical applications of logic programming frequently involve irregular computatio ...

Keywords: Automatic parallelization, constraint programming, logic programming, parallelism, prolog

18 Extending graphics hardware for occlusion queries in OpenGL

Dirk Bartz, Michael Meißner, Tobias Hüttner
August 1998 **Proceedings of the ACM SIGGRAPH/EUROGRAPHICS workshop on Graphics hardware**

Full text available: pdf(953.96 KB) Additional Information: full citation, references, citings, index terms

Keywords: OpenGL, hierarchical data structures, occlusion culling, visibility

19 UMA: a system for universal mathematics accessibility

A. I. Karshmer, G. Gupta, E. Pontelli, K. Miesenberger, N. Ammalai, D. Gopal, M. Batusic, B. Stöger, B. Palmer, H-F. Guo
September 2004 **ACM SIGACCESS Accessibility and Computing , Proceedings of the ACM SIGACCESS conference on Computers and accessibility**, Issue 77-78

Full text available: pdf(194.27 KB) Additional Information: full citation, abstract, references, index terms

We describe the UMA system, a system developed under a multi-institution collaboration for making mathematics universally accessible. The UMA system includes translators that freely inter-convert mathematical documents transcribed in formats used by unsighted individual (Nemeth, Marburg) to those used by sighted individuals (LaTeX, Math-ML, OpenMath) and vice versa. The UMA system also includes notation-independent tools for aural navigation of mathematics. In this paper, we give an overview ...

Keywords: math accessibility, visually impaired

20 Protection and the control of information sharing in multics

Jerome H. Saltzer
July 1974 **Communicati ns of the ACM**, Volume 17 Issue 7

Additional Information: full citation, abstract, references, citings, index

Full text available: pdf(1.75 MB) terms

The design of mechanisms to control the sharing of information in the Multics system is described. Five design principles help provide insight into the tradeoffs among different possible designs. The key mechanisms described include access control lists, hierarchical control of access specifications, identification and authentication of users, and primary memory protection. The paper ends with a discussion of several known weaknesses in the current protection mechanism design.

Keywords: Multics, access control, authentication, computer utilities, descriptors, privacy, proprietary programs, protected subsystems, protection, security, time-sharing systems, virtual memory